

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP 03/06761

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C10G45/64 C10G73/02 C10G21/00 C10G65/04 C10G65/12
C10G67/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C10G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02 50213 A (POLDER KEVIN JOHN ANTHONY ;GEUKEMA ARJEN PETER (NL); SHELL INT RES) 27 June 2002 (2002-06-27) cited in the application claims 1,2,4-6; figures 1,2 page 2, line 9-34 page 3, line 15-29 page 7, line 10-28 page 8, line 16-20 page 10, line 14-19 ---	1-15
Y	WO 00 15736 A (EXXON RESEARCH ENGINEERING CO) 23 March 2000 (2000-03-23) cited in the application	1-15
X	claims 1,8-11; figure; example 3; table 2 page 2, line 11-24 page 5, line 14-22 page 14, line 19 -page 15, line 10 --- -/--	16

☒ Further documents are listed in the continuation of box C:

☒ Patent family members are listed in annex:

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

20 October 2003

Date of mailing of the international search report

28/10/2003

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 876 522 A (CAMPBELL IAN D ET AL) 8 April 1975 (1975-04-08) claims 1,3; figure 2 column 1, line 46-51 column 5, line 37-47 ---	1-15
A	US 6 179 994 B1 (CLARK JANET R ET AL) 30 January 2001 (2001-01-30) claim 1; figure; example 3; table 5 column 1, line 66 -column 2, line 7 column 9, line 27-64 ---	1-15
A	WO 99 41334 A (EXXON RESEARCH ENGINEERING CO ;LINEK SANDRA JEAN (US); MCVICKER GA) 19 August 1999 (1999-08-19) claim 1; example 2; table 1 page 2, line 4-16 page 3, line 2-4 page 5, line 13-27 ---	9-15
A	US 6 090 989 A (PARTRIDGE RANDALL D ET AL) 18 July 2000 (2000-07-18) examples 1-4; table 1 column 5, line 17-24 column 6, line 16-29 -----	1-15

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-15

process to prepare a heavy and a light lubricating base oil from a partly isomerised Fischer-Tropsch derived feedstock by (a) separating the feedstock by distillation into a light and a heavy base oil precursor fraction; (b) dewaxing each separate base oil precursor fraction to reduce the pour point and (c) isolating the desired base oil products from the dewaxed fractions

2. Claim : 16

use of a heavy grade base oil obtainable by the process of claims 1-15 to formulate a motor oil formulation not requiring a viscosity modifier

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Publication No
PCT/EP 03/06761

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0250213	A	27-06-2002	AU 4085902 A CA 2432034 A1 WO 0250213 A2 EP 1352040 A2	01-07-2002 27-06-2002 27-06-2002 15-10-2003
WO 0015736	A	23-03-2000	US 6332974 B1 AU 750548 B2 AU 5680899 A BR 9913583 A CA 2341607 A1 EP 1144551 A2 JP 2002538232 T NO 20011245 A TW 495548 B WO 0015736 A2 ZA 200101684 A	25-12-2001 18-07-2002 03-04-2000 22-05-2001 23-03-2000 17-10-2001 12-11-2002 10-05-2001 21-07-2002 23-03-2000 28-05-2002
US 3876522	A	08-04-1975	NONE	
US 6179994	B1	30-01-2001	AU 752602 B2 AU 5693899 A BR 9913412 A CA 2340627 A1 EP 1144552 A2 JP 2002527530 T NO 20011000 A WO 0014184 A2 US 6375830 B1	26-09-2002 27-03-2000 22-05-2001 16-03-2000 17-10-2001 27-08-2002 04-05-2001 16-03-2000 23-04-2002
WO 9941334	A	19-08-1999	AU 743235 B2 AU 2673499 A CA 2320106 A1 EP 1054938 A1 JP 2002503754 T WO 9941334 A1	24-01-2002 30-08-1999 19-08-1999 29-11-2000 05-02-2002 19-08-1999
US 6090989	A	18-07-2000	AU 739549 B2 AU 1088699 A BG 104433 A BR 9813120 A CA 2306886 A1 CN 1279708 T EP 1029029 A1 HR 20000259 A1 HU 0100005 A2 JP 2001520302 T NO 20002010 A NZ 504064 A PL 340097 A1 RU 2198203 C2 SI 20333 A SK 5802000 A3 TR 200001084 T2 WO 9920720 A1 ZA 9809526 A	18-10-2001 10-05-1999 31-01-2001 15-08-2000 29-04-1999 10-01-2001 23-08-2000 31-12-2000 28-05-2001 30-10-2001 14-06-2000 20-12-2002 15-01-2001 10-02-2003 28-02-2001 11-06-2001 21-09-2000 29-04-1999 19-04-2000